

SAVITRI DEVI DAV PUBLIC SCHOOL, JAMTARA
DIWALI & CHHATH PUJA HOLIDAY HOME-WORK & PROJECT WORK-2021
CLASS-XI/B (SCIENCE-BIOLOGY) C/T- Miss. Sweta

SUB – ENGLISH

Subject Teacher – Mr. Anand Vishkarma

- i) Revise all the chapters prescribed for the First Term-1**
- ii) Revise Tense, determiners and Transformation of sentence.**
- iii) Read the passage given below and choose the best option from the given options:-**

(1) Have you ever failed at something so miserably that the thought of attempting to do it again was the last thing on your mind?

(2) If your answer is yes, then you should understand that you are not a robot. Unlike robots, we human beings have feelings, emotions, and dreams. We are all meant to grow despite our circumstances and limitations. Flourishing and trying to make our dreams come true feels great when life goes our way. But what happens when it does not? What happens when you fail despite all your hard work? Do you stay down and accept defeat or do you get up again? If you tend to persevere and keep going, you have what experts call 'grit'.

(3) Falling down or failing is one of the most agonising, embarrassing, and scary human experiences. But it is also one of the most educational, empowering, and essential parts of living a successful and fulfilling life. Did you know that perseverance (grit) is one of the seven qualities that has been described as the key to personal success and betterment in society? The other six are curiosity, gratitude, optimism, self-control, social intelligence, and zest. Thomas Edison is an example of grit for trying more than 1,000 times to invent the light bulb. If you are reading this with the lights on in your room, you will realise the importance of his success. When asked why he kept going despite hundreds of failures, he merely stated that they had not been failures, they were hundreds of attempts towards creating the light bulb. This statement not only revealed his grit but also his optimism for looking at the bright side.

(4) Grit can be learnt to help you become more successful. One of the techniques that help is mindfulness. Mindfulness is a practice that makes an individual stay at the moment by bringing awareness of his or her experience without judgement. This practice has been used to quieten the noise of fears and doubts. Through this simple practice of mindfulness, individuals have the ability to stop the self-sabotaging downward spiral of hopelessness, despair, and frustration.

(5) What did you do to overcome the negative and self-sabotaging feelings of failure? Reflect on what you did, and try to use those same powerful resources to help you today.

On the basis of your understanding of the passage, answer any ten questions:

1 × 10 = 10

(1) The reason why you are not a robot is that:

- (a) You fail miserably at tasks
- (b) Failure and success can affect your emotions
- (c) You work hard
- (d) You have limitations

(2) What is the tone of the following context: "Falling down or failing is one of the most... educational, empowering, and essential parts of living a successful and fulfilling life."?

- (a) Humorous
- (b) Optimistic
- (c) Horrifying
- (d) Solemn

(3) Which of the following is relevant for the title of the passage.

- (a) Dreams Always Come True
- (b) Failure and Grit Go Hand in Hand
- (c) Humans vs Robots
- (d) Falling Down and Getting Up

(4) was created after many attempts.

- (a) electricity
- (b) light bulb
- (c) current
- (d) tube light

(5) Which of the following sentences makes the correct use of "grit", as used in the passage?

- (a) Get rid of that grit in your shoes.
- (b) She had a bit of grit in her eye.
- (c) The road had been covered with grit.
- (d) Her grit never made her give up.

(6) To develop perseverance one must:

- (a) become more aware
- (b) work hard
- (c) be in the moment and be aware without judgement
- (d) seek guidance

(7) How does mindfulness help?

(a) It creates awareness

(b) It quietens the noise of fears and doubts

(c) It helps one become successful

(d) It helps develop focus

(8) What do you understand from this line, "Falling down or failing is one of the most agonising, embarrassing, and scary human experiences."?

(a) Falling down makes us angry.

(b) Failure can deeply affect our emotions

(c) Stay positive and be optimistic

(d) Self-control is empowering

(9) Choose the option that correctly states the meaning of 'social intelligence' as implied in the passage:

(a) Knowing others

(b) Knowing oneself and others

(c) Knowing oneself

(d) Knowing one's surroundings

(10) The importance of perseverance and optimism for a successful and fulfilling life is explained using the example of?

(a) Thomas Edison

(b) Flourishing

(c) Grit

(d) Limitations

(11) What is the message conveyed in the last paragraph of the passage?

(a) Always aim for the best

(b) Live life king size

(c) Through mindfulness we can overcome the negative impact of failure

(d) Social intelligence is crucial for a successful life

English Project work

Make a channel file on introduction of the poet- Ted Hughes ,Walt Whitman, list of the literary devices used in the poem " The Voice of the rain" & "The Laburnum Top " and the summary of the poem " Voice of the rain & The Laburnum Top.

SUBJECT - PHYSICS

Subject Teacher – Mr. SUJIT KUMAR MANDAL

- 1.State the parallelogram law of vector addition and find the magnitude and direction of the resultant of two vectors P and Q inclined at an angle θ with each other . What happens, when $\theta = 0^\circ$ and $\theta = 90^\circ$?
- 2.A projectile is fired upward at an angle θ with the horizontal with velocity u . Show that its trajectory is a parabola.Obtain expression for maximum height, time-of-flight and horizontal range .At what value of θ is the maximum range.
- 3.)To solve 20 McQ type questions from chapter Motion in a plane.

PROJECT : - Complete your Practical Copy whatever practical you have done .

Date of submission of Practical Copy : - 15 / 16th of November

SUBJECT - CHEMISTRY

Subject Teacher – MISS. SWETA

1. Write systematic rules for naming organic compounds.
2. What is the formula of fourth member of alkyne family ?
- 3.Draw the structure of following organic compounds
 - Butan-2- one
 - Propan -2- amine
 - N- methylmethanamine
 - N,N - dimethylmethanamine
 - 3 Methylbut-1-ene
 - 3- propylhept -1-ene
 - Propane 1,2,3 triol
 - Pentane -2,4 Dione
 - Butanedial
 - 4,4 dimethyl hexan -3- amine .
4. Complete the practical copy .

SUBJECT - BIOLOGY

Subject Teacher – MRS. ARCHANA SINGH

1. State the role of centrioles other than spindle formation.
2. A cell has 32 chromosomes. It undergoes mitotic division. What will be the chromosome number (N) during metaphase? What would be the DNA content (C) during anaphase?
3. The following events occur during the various phases of the cell cycle, Name the phase against each of the events.
 - a. Disintegration of nuclear membrane _____
 - b. Appearance of nucleolus _____
 - c. Division of centromere _____
 - d. Replication of DNA _____

4. Make a project on 7 scheme of photosynthesis.

Sub – INFORMATICS PRACTICES

Subject Teacher – SANTANU CHAKRABORTY

Practical File(In long Science Copy)

(1) 10 Programmings Each from Lists with output

Project (In Copy)

list 5 areas in softwares where python lists are used

SUB – PHYSICAL EDUCATION

Subject Teacher – Mr. Naveen Kumar Singh

Homework:-

Qn). Define Khelo India Program.

Qn).Write a note on Career option in Physical Education.

Note:- Should be done in H.W. Notebook.

Project:- I) Draw a labelled diagram of 400m track and field with computations.

II) List of current National awardees of any 5 games.

Note:- Should be done in P.E. practical notebook.